

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-176-24

Relating to Exemptions Under Section 27156
of the Vehicle Code

DINAN ENGINEERING
HEADER SYSTEM

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Header System, manufactured and marketed by Dinan Engineering, Inc., 865 Jarvis Drive, Morgan View, California 95037 has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for installation on the following BMW vehicle applications:

<u>Model</u>	<u>Model Years</u>	<u>Engine Size</u>	<u>Part No.</u>
Z8	2000-2003	4.9L	D360-6510
M5	2000-2003	4.9L	D360-6500

The Dinan Header System is a pair of long tube headers manufactured out of 16 gage stainless steel. The headers are designed in the configuration of 4:2:1. The oxygen sensor remains in the stock location at the collector of the exhaust system.

This Executive Order is valid provided that the installation instructions for the Header System will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

This Executive Order shall not apply to any Dinan Engineering, Inc. Header System advertised, offered for sale, or sold with or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Changes made to the design or operating conditions of the Header System, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the Header System using any identification other than that shown in this Executive Order or marketing of the Header System for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the Header System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on the following submitted emissions test data on a 2000 model-year BMW M5 certified to the Transitional Low Emission Vehicle (TLEV) emission standards. Testing consisted of one Cold Start CVS-75 Federal Test Procedure with the Header System installed. The vehicle in the modified configuration met the applicable emission standards using an NMOG RAF of 0.98 and a deterioration factor prorated to the test vehicle's mileage of 25,467.

	50K Standards				100K Standard			
	NMOG	CO	NOx	HCHO	NMOG	CO	NOx	HCHO
Standard	0.125	3.4	0.4	0.015	0.156	4.2	0.6	0.018
Device w/dfs	0.122	1.5	0.1	0.011	0.139	1.9	0.1	0.016

This Executive Order is also based on the On Board Diagnostic II (OBD II) testing conducted on the same vehicle. Test data showed that the Header System when installed on the vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

The ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF DINAN ENGINEERING'S HEADER SYSTEM.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination after hearing that grounds for revocation exist.

Executed at El Monte, California, this 27th day of January 2004.



Allen Lyons, Chief
Mobile Source Operations Division